

Appl. No. 10/756,870
Amdt. Dated 06/15/05
Reply to Office Action of 03/15/05

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A landing gear locking device comprising:
a plurality of locking members each having a first end portion pivotally connected to each other for allowing said plurality of locking members to be selectively moved between open and closed positions, each said plurality of locking member further having a second end portion removably engageable with each other when positioned about a perimeter of a landing gear shaft;

wherein one said plurality of locking members comprises a plurality of elongated sections pivotally connected to each other for allowing said device to be engaged about a landing gear shaft having an oblique shape, each said elongated sections having a linear shape wherein one said elongated sections is pivotally connected to another said elongated sections, said another elongated section being pivotally connected to another said locking members, said elongated sections and said another locking member having an interior surface directly engageable with the landing gear shaft and remaining in continuous contact therewith when said locking members are adapted to a closed position, said another locking member having a rigid and non-adaptable L-shape;

wherein said locking members are selectably adaptable to form a substantially square shape;

a plurality of hasps secured to said plurality of locking members and being engageable with each other when said lock is moved to a closed position, said plurality of hasps each having an aperture formed therein and being alignable with each other for receiving a lock therethrough to thereby maintain said device at a closed position;
and

wherein said locking members rest at an equilibrium position when said hasps

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are engaged with each other, said locking members remaining at the equilibrium position when said hasps are disengaged from each other; and

a first locking pin secured to one said plurality of locking members and extending outwardly therefrom, said first locking pin being positionable into a landing gear shaft for preventing a landing gear from moving beyond a predetermined position.

2. (Original) The locking device of claim 1, further comprising:

a second locking pin secured to another said plurality of locking members and extending outwardly therefrom towards said first locking pin and being removably positionable into a landing gear shaft, said first and second locking pins being oppositely spaced from each other.

3. (Canceled)

4. (Original) The locking device of claim 1, wherein said first locking pin has an end portion disposed adjacent another said plurality of locking members.

5. (Original) The locking device of claim 1, wherein said plurality of locking members are formed to have substantially non-linear shapes.

6. (Canceled)

7. (Currently amended) A landing gear locking device comprising:

a plurality of locking members each having a first end portion pivotally connected to each other for allowing said plurality of locking members to be selectively moved between open and closed positions, each said plurality of locking member further having a second end portion removably engageable with each other when positioned about a perimeter of a landing gear shaft;

wherein one said plurality of locking members comprises a plurality of elongated sections pivotally connected to each other for allowing said device to be engaged about

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a landing gear shaft having an oblique shape, each said elongated sections having a linear shape wherein one said elongated sections is pivotally connected to another said elongated sections, said another elongated section being pivotally connected to another said locking members, said elongated sections and said another locking member having an interior surface directly engageable with the landing gear shaft and remaining in continuous contact therewith when said locking members are adapted to a closed position, said another locking member having a rigid and non-adaptable L-shape;
wherein said locking members are selectably adaptable to form a substantially rectangular or square shape;

a plurality of hasps secured to said plurality of locking members and being engageable with each other when said lock is moved to a closed position, said plurality of hasps each having an aperture formed therein and being alignable with each other for receiving a lock therethrough to thereby maintain said device at a closed position;

wherein said locking members rests at an equilibrium position when said hasps are engaged with each other, said locking members remaining at the equilibrium position when said hasps are disengaged from each other;

a first locking pin secured to one said plurality of locking members and extending outwardly therefrom, said first locking pin being positionable into a landing gear shaft for preventing a landing gear from moving beyond a predetermined position; and

a second locking pin secured to another said plurality of locking members and extending outwardly therefrom towards said first locking pin and being removably positionable into a landing gear shaft, said first and second locking pins being oppositely spaced from each other.

8. (Canceled)

9. (Currently amended) The locking device of claim 7, wherein said first locking pin has an end portion disposed adjacent another said plurality of locking members.

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10. (Original) The locking device of claim 9, wherein said plurality of locking members are formed to have substantially non-linear shapes.

11. (Canceled)

12. (Currently amended) A landing gear locking device comprising:
a plurality of non-linear locking members each having a first end portion pivotally connected to each other for allowing said plurality of locking members to be selectively moved between open and closed positions, each said plurality of locking member further having a second end portion removably engageable with each other when positioned about a perimeter of a landing gear shaft;

wherein one said plurality of locking members comprises a plurality of elongated sections pivotally connected to each other for allowing said device to be engaged about a landing gear shaft having an oblique shape, each said elongated sections having a linear shape wherein one said elongated sections is pivotally connected to another said elongated sections, said another elongated section being pivotally connected to another said locking members, said elongated sections and said another locking member having an interior surface directly engageable with the landing gear shaft and remaining in continuous contact therewith when said locking members are adapted to a closed position, said another locking member having a rigid and non-adaptable L-shape;

wherein said locking members are selectably adaptable to form a substantially rectangular or square shape;

a plurality of hasps secured to said plurality of locking members and being engageable with each other when said lock is moved to a closed position, said plurality of hasps each having an aperture formed therein and being alignable with each other for receiving a lock therethrough to thereby maintain said device at a closed position;

wherein said locking members define an equilibrium position when said hasps are engaged with each other, said locking members remaining at an equilibrium position when said hasps are disengaged from each other;

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a first locking pin secured to one said plurality of locking members and extending outwardly therefrom, said first locking pin being positionable into a landing gear shaft for preventing a landing gear from moving beyond a predetermined position; and

a second locking pin secured to another said plurality of locking members and extending outwardly therefrom towards said first locking pin and being removably positionable into a landing gear shaft, said first and second locking pins being oppositely spaced from each other.

13. (Canceled)

14. (Original) The locking device of claim 12, wherein said first locking pin has an end portion disposed adjacent another said plurality of locking members.

15. (Canceled)